

DSL

In-line Double Suction Centrifugal Pump DSL

The DSL pumps are single-stage, double-suction, vertical, centrifugal pumps. The design of the suction side provides for a perfect flow, and the inlet is placed in line with the outlet. Add to this the advanced double-suction impeller and the result is high efficiency and low NPSH-values

Pump concept:

- Single-stage, double-suction, centrifugal pumps
- The design of the suction side provides for a perfect flow
- The inlet is placed in line with the outlet
- Advanced double-suction impeller
- High efficiency
- Low NPSH-values



DSL - In-line double suction centrifugal pump	
Nominal diameter (DN)	150 to 600
Flow rate - 50 Hz	Up to 6200 m ³ /h (27300 US gpm)
Flow rate - 60 Hz	Up to 7400 m ³ /h (32580 US gpm)
Head	Up to 140 m (459 ft.)
Pressure	Up to 25 bar (363 psi)
Temperature	Up to 140°C (284°F)
Applications: District heating/cooling, seawater, water circulation, cooling towers distribution, chiller distribution, scrubber (flue gas cleaning).	

Standard Material Specifications	
Pump casing	Cast Iron
Impeller	NiAl-Bronze
Sealing ring	NiAl-Bronze
Rear cover	Cast Iron
Shaft	Stainless Steel
Shaft seal	Mechanical

Alternative material combinations are available

Alternative materials include:

Cast Iron, Ductile Iron, Bronze, NiAl-Bronze, Stainless Steel, Super Duplex Stainless Steel

For more information on Utility/District Energy solutions, please visit www.desmi.com



Production Technology

The pumps are fitted with bearings and mechanical shaft seal at both top and bottom. This gives a robust construction, designed for trouble-free continuous duty. The pumps are radially split. In spacer design, service including replacement of bearings and mechanical shaft seal, can be carried out without removing motor and piping. Significant advantages to the benefit of the service personnel.

